06923700 NIANGUA RIVER BELOW BENNETT SPRINGS, MO

(Ambient water-quality monitoring network)

WATER-QUALITY RECORDS

LOCATION.--Lat 37°44'17", long 92°51'37", in SE 1/4 sec.25, T.35 N., R.18 W., Dallas County, Hydrologic Unit 10290110, at bridge on Highway 64, 1,200 ft downstream inflow of Bennett Springs Branch.

PERIOD OF RECORD.--October 1983 to September 1988, 1991 to current year.

REMARKS.--Ambient water-quality monitoring station October 1983 to September 1988, November 1993 to current year. Special project station July 1991 to October 1995.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	DISCHARGE, INST. (CUBIC FEET PER SECOND) (00061)	TEMPERATURE WATER (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	OXYGEN, DISSOLVED (mg/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (mg/L) (00340)	COLIFORM, FECAL, 0.7 µm-MF (COLS./100 mL) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 mL) (31673)	ALKALINITY WAT WH TOT FET FIELD (mg/L as $CaCO_3$) (00410)
NOV 1996											
26...	1100	1300	10.5	263	7.36	11.1	97	--	1060	1280	113
JAN 1997											
22...	0830	660	4.5	319	7.33	11.3	88	<10	K11	56	157
MAR											
19...	1345	1400	10.5	278	7.66	11.3	99	--	200	172	133
APR											
02...	1015	700	13.0	307	7.83	10.0	93	--	59	24	140
JUN											
26...	1145	270	18.5	369	7.85	9.40	99	<5	140	55	175
AUG											
14...	0840	140	16.0	397	7.28	7.90	79	--	76	K1900	188

DATE	BICARBONATE WATER WH IT FIELD (mg/L as HCO_3) (00450)	CARBONATE WATER WH IT FIELD (mg/L as CO_3) (00447)	NITROGEN, NO_2+NO_3 TOTAL (mg/L as N) (00630)	NITROGEN, NITRITE TOTAL (mg/L as N) (00615)	NITROGEN, AMMONIA TOTAL (mg/L as N) (00610)	NITROGEN,AMMONIA + ORGANIC TOTAL (mg/L as N) (00625)	PHOSPHORUS TOTAL (mg/L as P) (00665)	PHOSPHORUS ORTHO TOTAL (mg/L as P) (70507)	HARDNESS TOTAL (mg/L as $CaCO_3$) (00900)	CALCIUM DISSOLVED (mg/L as Ca) (00915)
NOV 1996										
26...	142	0	1.20	<0.010	0.030	0.29	<0.020	0.040	--	--
JAN 1997										
22...	191	0	0.840	<0.010	0.020	<0.20	0.030	<0.010	180	37
MAR										
19...	163	0	0.790	<0.010	<0.010	0.30	<0.020	0.020	--	--
APR										
02...	169	0	0.630	<0.010	<0.010	<0.20	0.040	0.020	--	--
JUN										
26...	217	0	0.800	<0.010	0.030	<0.20	<0.020	0.080	190	39
AUG										
14...	232	0	0.870	<0.010	0.030	<0.20	0.020	0.020	--	--

DATE	MAGNESIUM, DISSOLVED (mg/L as Mg) (00925)	SODIUM, DISSOLVED (mg/L as Na) (00930)	POTASSIUM, DISSOLVED (mg/L as K) (00935)	SULFATE DISSOLVED (mg/L as SO_4) (00945)	CHLORIDE, DISSOLVED (mg/L as Cl) (00940)	FLUORIDE, DISSOLVED (mg/L as F) (00950)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (mg/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (mg/L) (00530)	ALUMINUM, TOTAL RECOVERABLE (µg/L as Al) (01105)	ALUMINUM, DISSOLVED (µg/L as Al) (01106)
JAN 1997										
22...	21	3.8	1.3	6.8	21	<0.10	210	6	120	<3.0
JUN										
26...	22	2.9	1.4	4.6	5.7	<0.10	198	8	90	7.8

DATE	CADMIUM TOTAL RECOVERABLE (µg/L as Cd) (01027)	CADMIUM DISSOLVED (µg/L as Cd) (01025)	COPPER, DISSOLVED (µg/L as Cu) (01040)	IRON, DISSOLVED (µg/L as Fe) (01046)	LEAD, TOTAL RECOVERABLE (µg/L as Pb) (01051)	LEAD, DISSOLVED (µg/L as Pb) (01049)	MANGANESE, DISSOLVED (g/L as Mn) (01056)	MERCURY TOTAL RECOVERABLE (µg/L as Hg) (71900)	ZINC, TOTAL RECOVERABLE (µg/L as Zn) (01092)	ZINC, DISSOLVED (µg/L as Zn) (01090)
JAN 1997										
22...	<1	<1.0	<1.0	5.0	<1	<1.0	5.2	<0.10	2	<1.0
JUN										
26...	<1	<1.0	<1.0	7.0	<1	<1.0	9.4	<0.10	<1	<1.0

K--Results based on colony count outside the acceptable range (non-ideal colony count).